means on the biota. Subsidy of abundance in specific invertebrate populations is typical of certain stressors; consequently, both the population's abundance and corresponding information regarding the potential stressor were closely considered. Finally, threshold values for some potential stressors were determined via abundance scatter plots versus more qualitative information. Evaluations of pre-TMDL monitoring information on algal density are one such example.

Table 2-1. Stressor identification analysis thresholds

Candidate Cause Parameter	Elimination (Rule out stressors at these thresholds) Elimination Threshold	Strength of Evidence (Evidence for each Candidate Cause as stressor) Candidate Stressor Thresholds
	Fe toxicity to benthic invertebrates is not well established.	
	Mn toxicity to benthic invertebrates is not well established.	
рН	>6.3	 <4.29 Definite Stressor 4.99-4.3 Likely stressor 5.29-5.0 Possible stressor 6.59-5.3 Weak stressor 6.29-6.0 Equivocal or No Trend
pH	< 8.39	>9.1 Definite Stressor 8.9-9.09 Likely stressor 8.8-8.89 Possible stressor 8.7-8.79 Weak stressor 8.4-8.69 Equivocal or No Trend <8.39 Eliminated from stressor possibility
4. Ionic Conductivity strength Sulfates	< 326.9 umhos	Consider as independent stressor in non-acidic, non-AMD streams, when conductivity values met threshold ranges and sulfates and chloride violate conditions listed as follows. >1533 Definite Stressor 1075-1532.9 Likely stressor 767-1074.9 Possible stressor 517-766.9 Weak stressor 327-516.9 Equivocal or No Trend
	< 56.9 mg/l	>417 Definite Stressor 290-416.9 Likely stressor 202-289.9 Possible stressor 120-201.9 Weak stressor 57-119.9 Equivocál or No Trend
Chloride	< 60 mg/l	>230.0 Definite Stressor 160.1-229.9 Likely stressor 125.1-160 Possible stressor 80.1-125.0 Weak stressor 60.1-80.0 Equivocal or No Trend
	Fe (total) Mn (total) pH Conductivity Sulfates	Parameter (Rule out stressors at these thresholds) Elimination Threshold Al (dissolved) <0.1049 mg/L Fe (total) Mn (total) pH >6.3 PH < 8.39 Conductivity < 326.9 umhos Sulfates < 56.9 mg/l